

Peak District National Park

Forecast valid from 00:00 on Monday 19 Dec 2022 until 23:59 on Tuesday 20 Dec 2022

Forecast Issued on Sunday 18 Dec 2022 at 15:47

Confidence: High becoming Medium in details from Thursday.

Headline for Monday 19 Dec 2022: Gales, rain and low cloud. Much milder.

Mountain weather hazards on Monday 19 Dec 2022

Blizzards

No Likelihood

Gales

High Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

Low Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Heavy Rain	Light rain	Light rain	Cloudy	Light rain	Light rain	Light rain	Cloudy
Precipitation probability							
60%	70%	50%	30%	50%	60%	50%	30%

Forecast for Monday 19 Dec 2022

Weather: Mostly cloudy and overcast with outbreaks of rain, occasionally heavy. Very windy with gales over the tops leading to significant buffeting. The cloud lifting and breaking in the evening.

Chance of cloud-free hill tops above 600m: 30% early morning becoming 60% around midday, then 80% later in the evening.

Low cloud and visibility: Extensive cloud, base 600m, occasional or patches 300m, lifting and breaking above the tops in the evening. Visibility moderate or poor, occasionally very poor at height, becoming good or very good in the evening.

Forecast for Monday 19 Dec 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	27/41 S	29/40 SW	30/41 SW	32/43 S	35/47 S	34/47 SW	31/44 SW	26/36 SW	21/29 SW
300	21/32 S	21/32 S	20/32 S	22/34 S	25/38 S	24/37 S	21/33 SW	17/28 SW	13/22 SW
Valley	12/29 S	13/31 S	13/31 S	14/33 S	17/37 S	16/35 S	14/32 SW	12/27 SW	9/22 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	8/3	9/4	10/5	10/5	9/4	9/4	8/3	6/1	6/1
300	9/6	11/8	12/8	12/8	12/8	12/8	10/7	9/5	8/5
Valley	9/6	11/8	12/9	12/10	12/9	12/9	11/8	9/6	8/6
Freezing Level*	2600m	2200m	2200m	2200m	2300m	2200m	2100m	2000m	1700m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Navigational difficulties possible at height due to the extensive low cloud.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Sun 18 Dec 2022	0mm	0mm	0mm

Forecast for Tuesday 20 Dec 2022

Weather: Patchy rain possible overnight, otherwise bright or clear spells and occasional showers.

Maximum wind: Southwest 25 to 30mph gusting 40mph with a significant wind chill.

Chance of cloud-free hill tops above 600m: 90%, but 50% overnight

Low cloud and visibility: Occasional or patchy cloud above the tops, but lowering in and around any showers. Visibility very good falling moderate or poor in any showers.

Temperature: **Valleys:** Plus 4 to 9 Celsius
At 600m: Plus 2 or 3 Celsius
Freezing level: Above the summits